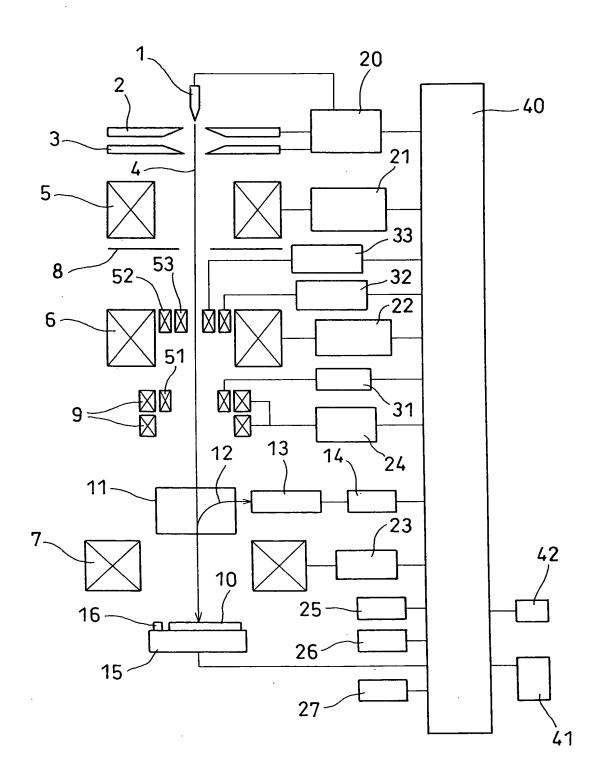
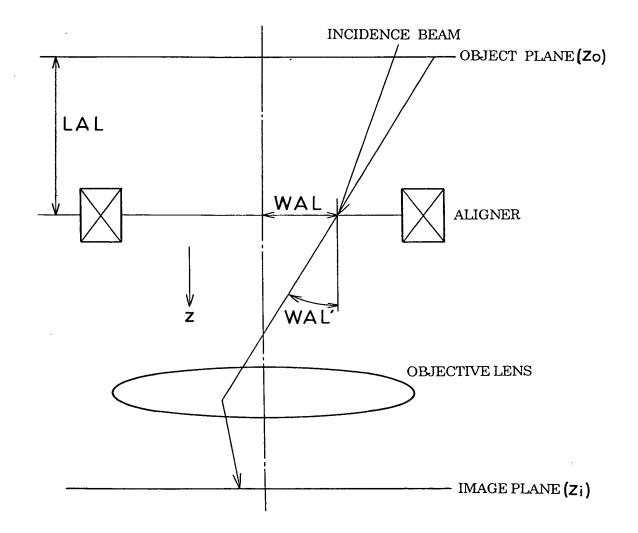
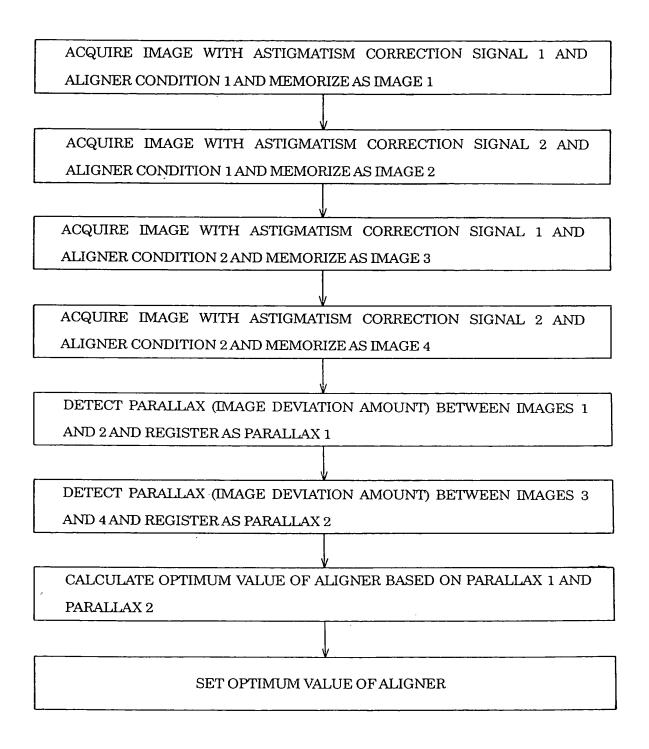
1/13 FIG.1



ACQUIRE IMAGE BY SETTING CONDITION 1 FOR OBJECTIVE LENS 7 AND CONDITION 1 FOR ALIGNER 51 AND MEMORIZE AS IMAGE 1 ACQUIRE IMAGE BY SETTING CONDITION 2 FOR OBJECTIVE LENS 7 AND CONDITION 1 FOR ALIGNER 51 AND MEMORIZE AS IMAGE 2 ACQUIRE IMAGE BY SETTING CONDITION 1 FOR OBJECTIVE LENS 7 AND CONDITION 2 FOR ALIGNER 51 AND MEMORIZE AS IMAGE 3 ACQUIRE IMAGE BY SETTING CONDITION 2 FOR OBJECTIVE LENS 7 AND CONDITION 2 FOR ALIGNER 51 AND MEMORIZE AS IMAGE 4 DETECT PARALLAX (IMAGE DEVIATION AMOUNT) BETWEEN IMAGES 1 AND 2 AND REGISTER AS PARALLAX 1 DETECT PARALLAX (IMAGE DEVIATION AMOUNT) BETWEEN IMAGES 3 AND 4 AND REGISTER AS PARALLAX 2 CALCULATE OPTIMUM VALUE OF ALIGNER 51 BASED ON PARALLAX 1 AND PARALLAX 2 SET OPTIMUM VALUE OF ALIGNER 51

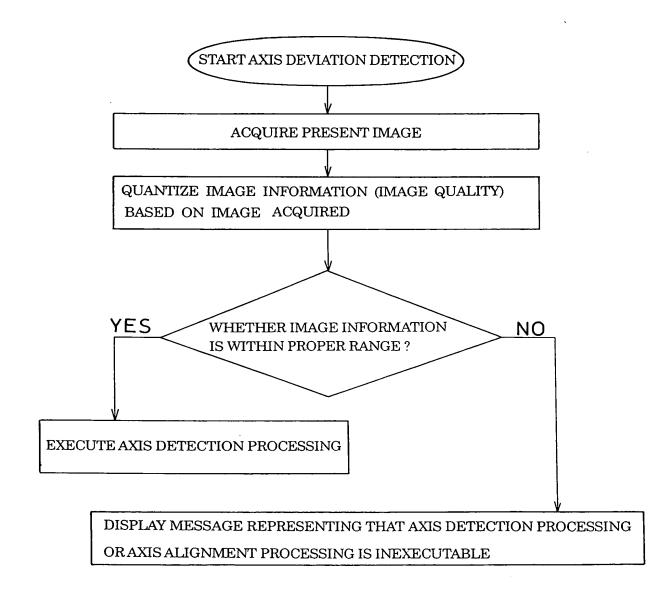
FIG.3





AXIS DEVIATION RELATIVE TO OBJEC	TIVE LENS EXCEED TOLERANCE		
LEVEL. DO YOU EXECUTE AXIS ALIGNMENT?			
Yes	N o		

FIG.6



7/13

– APER	TURE ALIGNMENT
• AUTO	MATIC AXIS ALIGNMENT TIMING
● FOF	R EACH OFOR EACH OWHEN PARALLAX EXCEED OUSER ALYSIS POINT WAFER PREDETERMINED VALUE SETTING
• APER	TURE ALIGNMENT
	RECTION BASED ON OCORRECTION OF VALUE ONO CORRECTION ALLAX DETECTION PREVIOUSLY DETERMINED
• CORR	ECTION AMOUNT GRAPH
●REG	HISTRATION O NO REGISTRATION
• WHEN	VAXIS ALIGNMENT IS IMPOSSIBLE
Osto	P OF MEASUREMENT OCONTINUE CONTINUE AFTER SAMPLE IMAGE REGISTRATION
	TCH TO CORRECTION OF PREVIOUSLY ERMINED VALUE
- STIGM	IA (ASTIGMATISM ?) ALIGNMENT



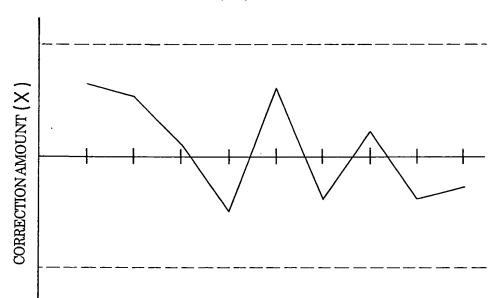
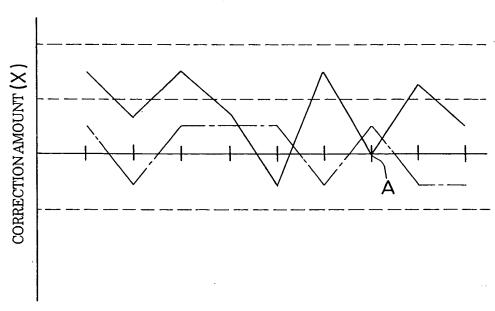


FIG.8(b)

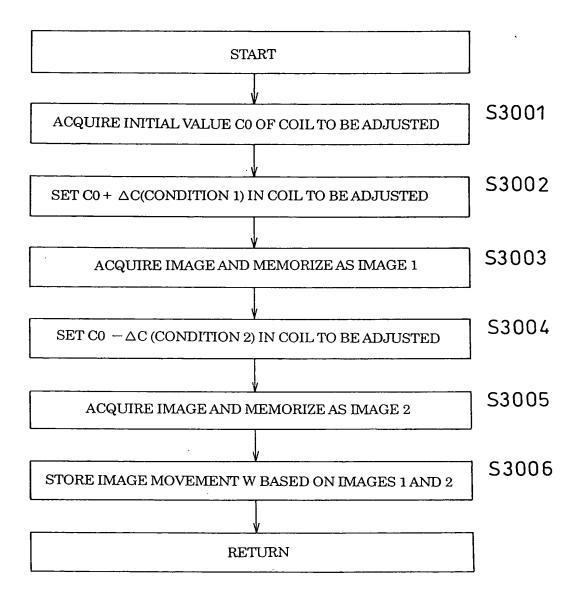


9/13

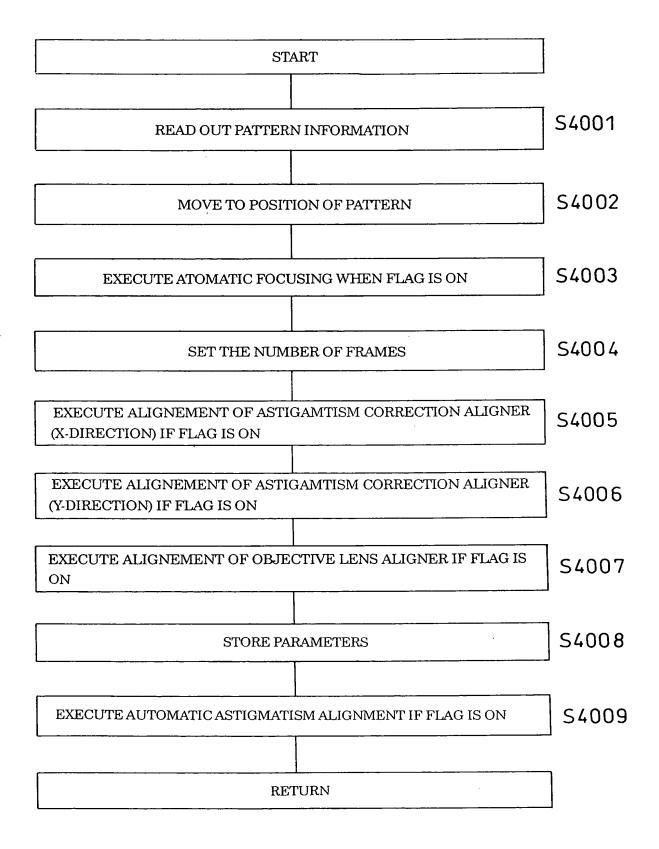
	START		
	ACQUIRE INITIAL VALUE AO OF ALIGNER TO BE ALIGNED	S2001	
		S2002	
	CALCULATE IMAGE MOVEMENT W1 (S3001 TO S3006)	32002	
	WHETHER η IS RECALCULATED?	S2003	
	No Yes		
	SET A0 + ΔA1 IN ALIGNER TO BE ALIGNED	S2004	
		LCOOOE	
	CALCULATE IMAGE MOVEMENT W2 (S3001 TO S3006)	S2005	
	CALCULATE η FROM IMAGE MOVEMENTS W1 AND W2	S2006	
	WHETHER & IS RECALCULATED?	S2007	
	No Yes]	
	SET A0 + ΔA2 IN ALIGNER TO BE ALIGNED	S2008	
]] S2009	
	CALCULATE IMAGE MOVEMENT W3 (S 3001 TO S3006)		
	CALCULATE ε FROM IMAGE MOVEMENTS W1, W2 AND W3]S2010	
<u> </u>	CALCULATE ALIGNMENT CORRECTION VALUE AND SET ALIGNMENT CORRECTION VALUE IN ALIGNER	S2011	
	WHETHER ABSOLUTE VALUE OF ALIGNMENT CORRECTION VALUE IS LESS THAN THRESHOLD VALUE?		
	No		
	Yes	7 -	
	RETURN		

10/13

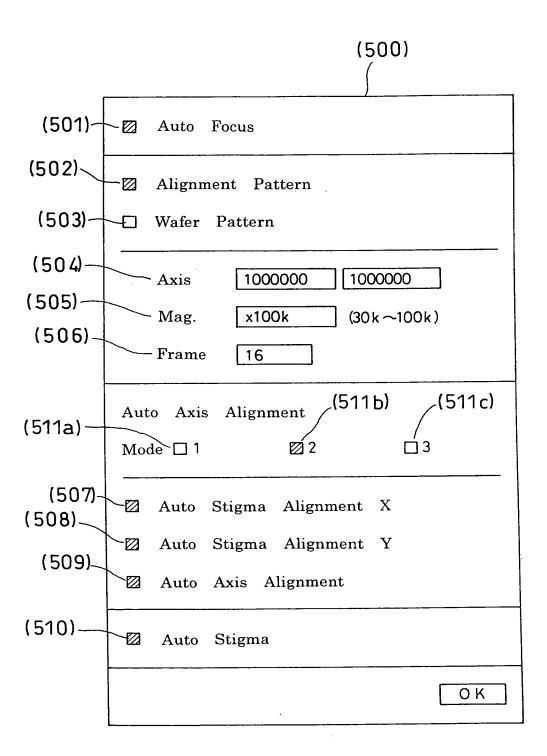
FIG.10



11/13 **FIG.11**



12/13 FIG.12



13/13

START	
SET INITIAL VALUE OF OBJECTIVE LENS	S6001
ACQUIRE IMAGE AND SWING VALUE OF OBJECTIVE LENS WHILE EVALUATING	S6002
FIND OPTIMUM VALUE FROM EAVALUATION VALUE AND SET OPTIMUM VALUE IN OBJECTIVE LENS	S6003
SET INITIAL VALUE OF ASTIGMATISM CORRECTOR (X-DIRECTION)	S6004
ACQUIRE IMAGE AND SWING VALUE OF ASTIGMATISM CORRECTION VALUE (X-DIRECTION) WHILE EVALUATING	S6005
FIND OPTIMUM VALUE FROM EAVALUATION VALUE AND SET OPTIMUM VALUE IN ASTIGMATISM CORRECTOR (X-DIRECTION)	S6006
SET INITIAL VALUE OF ASTIGMATISM CORRECTOR (X-DIRECTION)	S6007
ACQUIRE IMAGE AND SWING ASIGMATISM CORRECTION VALUE (Y-DIRECTION) WHILE EVALUATING	S6008
FIND OPTIMUM VALUE FROM EAVALUATION VALUE AND SET OPTIMUM VALUE IN ASTIGMATISM CORRECTOR (Y-DIRECTION)	
RETURN	